Milestone 7 - Final Submission

- **Project Title:** Cache Me if You Can

- **Team:** Blake Biskner, Jason Lubrano, Linda Palacios Rivera, Suyog Sota, Keaton Whitehead
- **Project Tracker:**
    - **Link:** https://trello.com/b/KFgrKg8S (Note we primarily used the Milestone3 board for managing our project)
    - **Link:** https://cscigroupproject.slack.com/messages/C77LA42TW/team/U7995QT6U/ (We also did a lot of delegation on slack, so we included that link as well)
    - **Screenshots from Project Tracker: Trello**

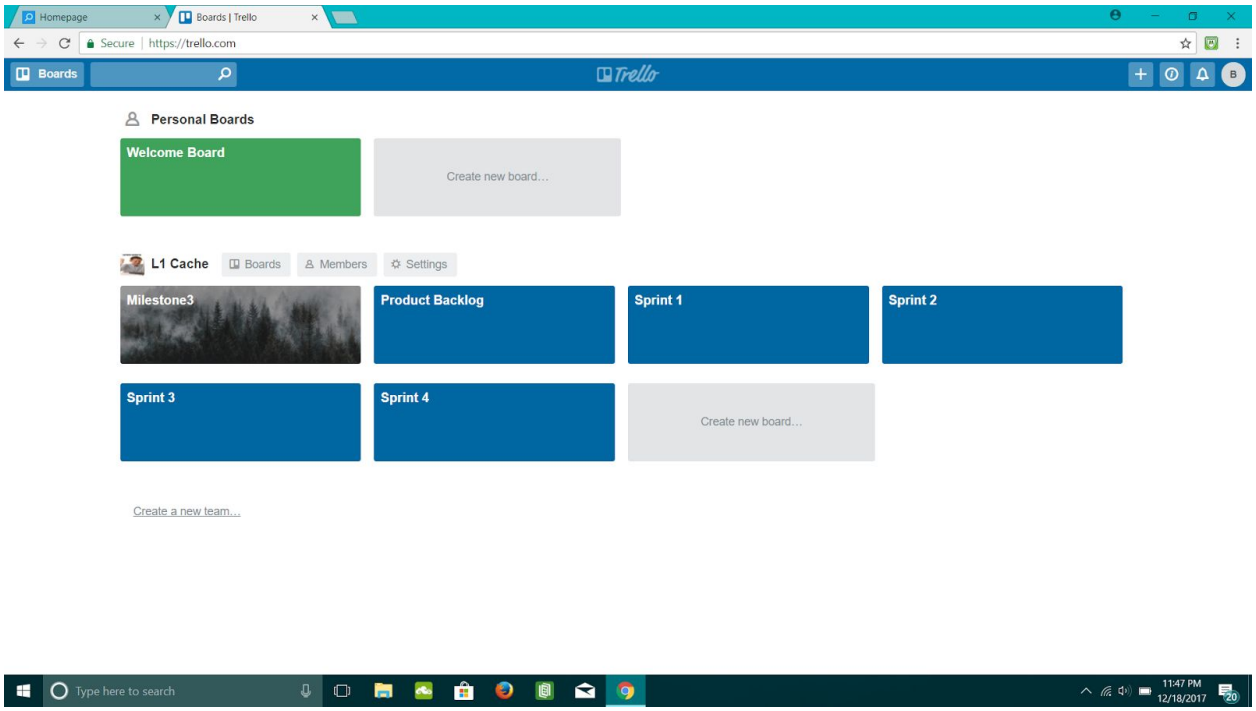

Figure 1: L1Cache Project Board containing Milestone 3, Project Backlog, Sprint 1, Sprint 2, Sprint 3, and Sprint 4

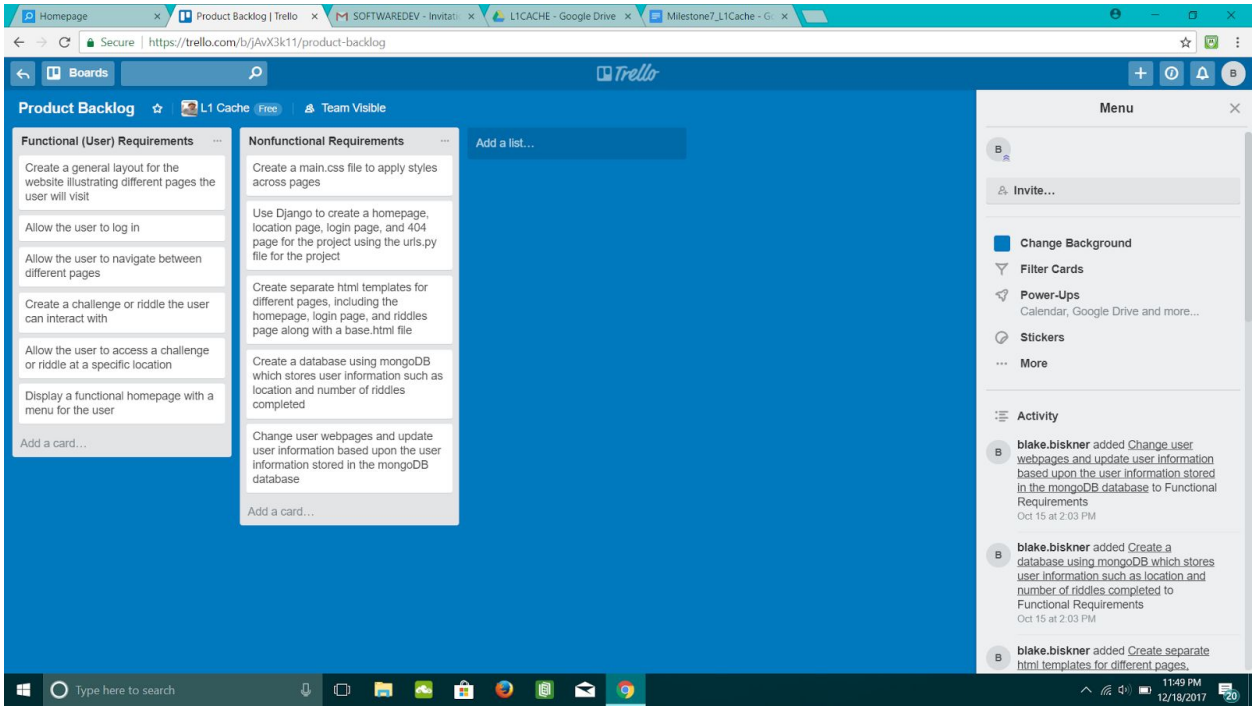

Figure 2: Project Backlog for L1Cache

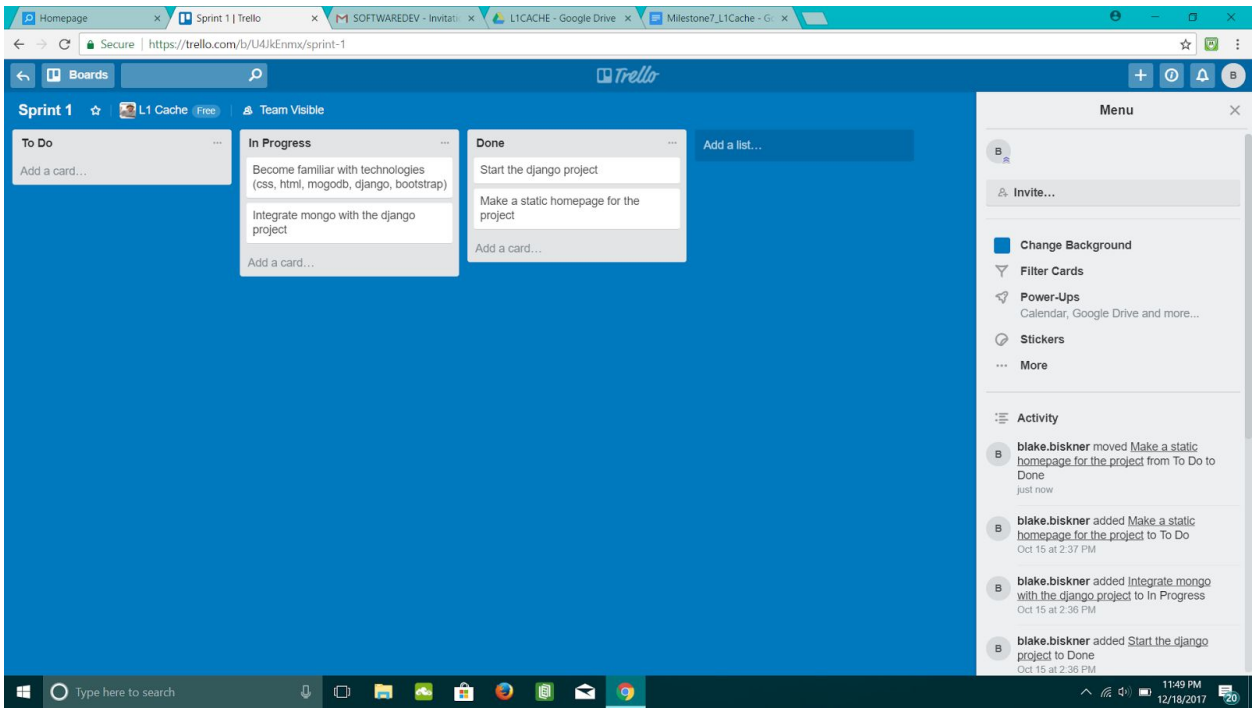

Figure 3: Sprint 1 for L1Cache

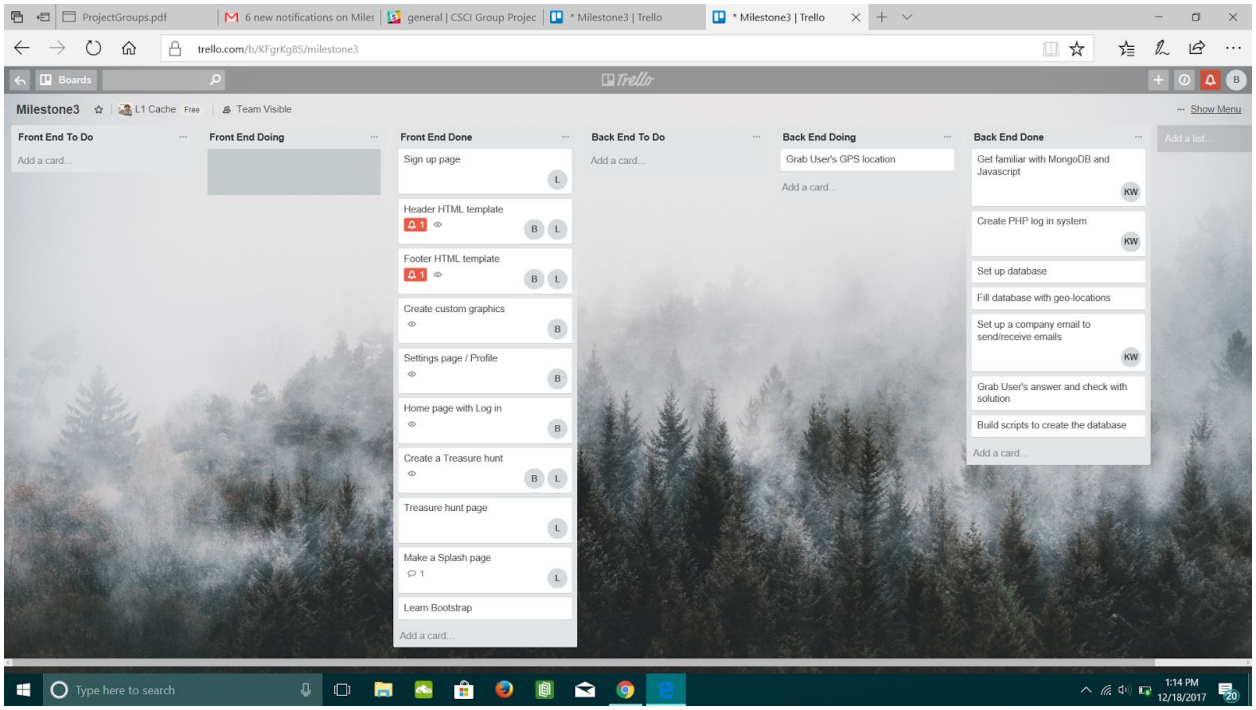

Figure 4: Milestone 3 Frontend and Backend list of tasks

- **VCS Repository:** https://github.com/keatonjwhitehead/L1_Cashe

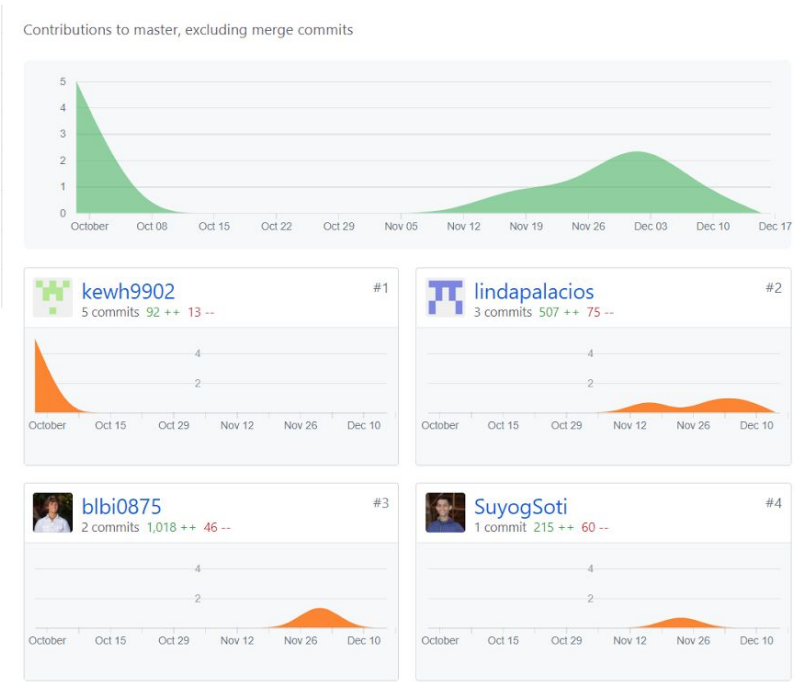

Figure 5: VCS Contributions

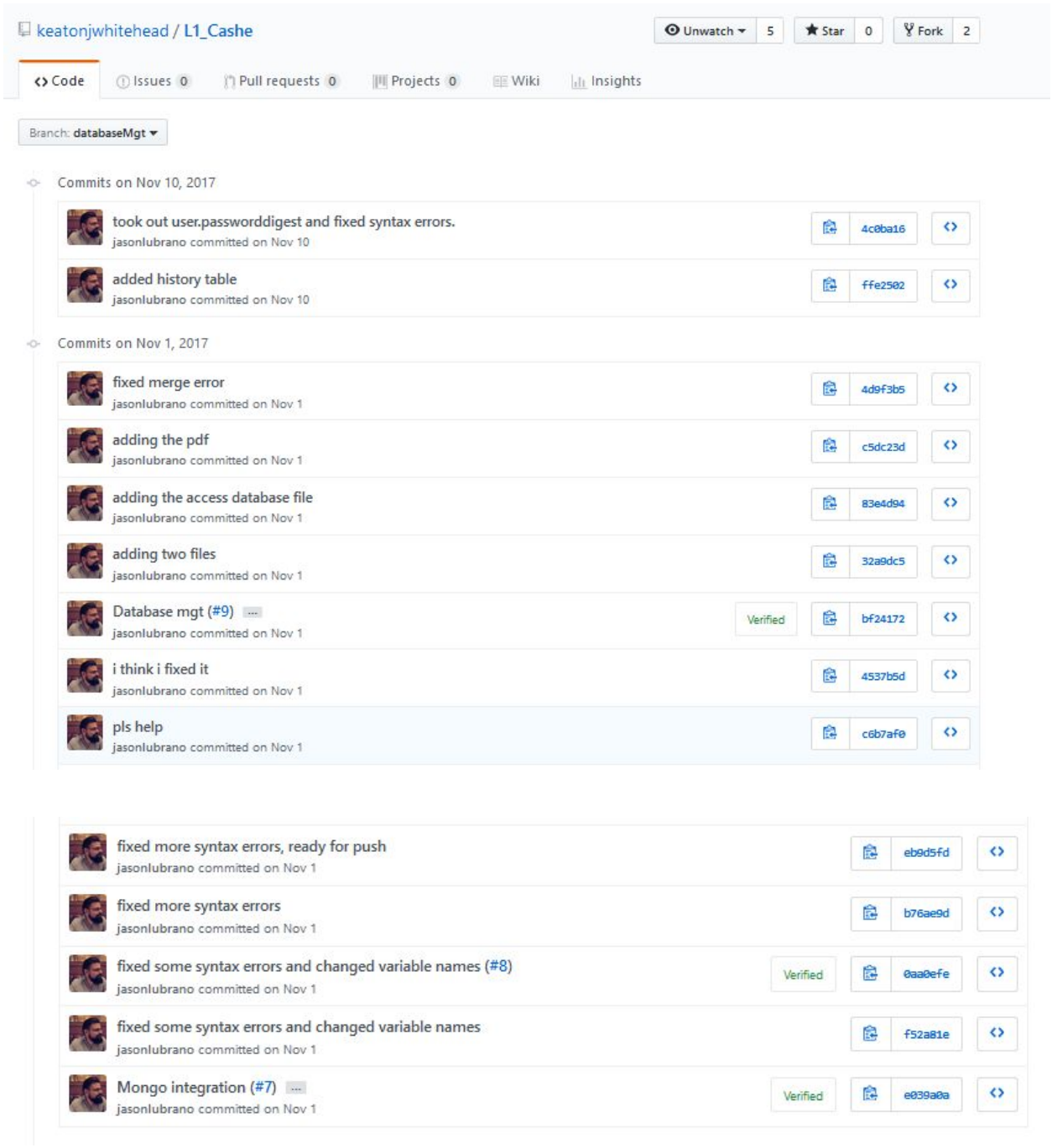

Figure 6: Database Management Contribution by Jason, who never pushed to master and his face doesn't get put next to a graph showing the amount of contributions he actually made :(

Github Contributors account names:
kewh9902 : Keaton Whitehead
lindapalacios: Linda Palacios
blbi0875: Blake Biskner
SuyogSoti: Suyog Soti

jasonlubrano: Jason Lubrano

- **Commits:** As mentioned above, due to our workflow the commit logs shown by github is not as accurate. When pull requests were made to master, all commits were squashed which means the viewer does not get to see how much work went into each pull request. Also, the person who accepted the pull request would be given credit for the commits, and that is the reason some of our group members do not show up on the commits graphs. For more accurate depictions of the contributions, please check the git logs for each of the branches and the forks to for more of an accurate descriptions of our contributions.

- **Deployment:** We initially deployed our application using Heroku at the address http://l1cashe.herokuapp.com/. In fact, we used this functional website during our product demonstration for milestone 6; however, we have since taken down the application, as Heroku wanted to start charging us. As a result, one can now run our app by cloning the repo. Once the repository is cloned, it must be run through a virtual host using an apache server. The set up for that depends on the operating system of the user. Afterwards, the user must create a database name “l1_cashe” through a mysql database, and run the database_local.sql file to create the tables. In addition to this, the user must also create a connection.php file that defines the following variables.

  ```
  $user = "root";
  $passwd = "password";
  $dbName = "l1_cashe";
  $server = "localhost";
  ```

  Once this has been done, the website will be ready at wherever the virtual host was set up

- **Testing**: We tried testing our website with various methods. The first was to do Selenium, but we realized it isn’t capable of working on the VM provided by CU. So with that one not applicable, the second method we tried was to use Katalon for windows. This was a pretty good software, but it was rough to learn on such short notice. It took a long time to learn, a lot longer than I want to admit, but for what I got working I was impressed with myself. Learning how to set up a virtual host with Katalon was also really difficult. It took a long time to get it done, and frankly it took a lot longer than it was supposed to. And frankly, all that I was able to do was open the webpage and write in the blank. So I ditched that and went straight with brute force methods where we found some bugs. After bug fixes then we were able to go through the rest of the testing to make sure the website worked properly.